

<!--StartFragment-->RESULT 3  
US-10-097-340-282  
; Sequence 282, Application US/10097340  
; Publication No. US20030087250A1  
; GENERAL INFORMATION:  
; APPLICANT: John MONAHAN  
; APPLICANT: Manjula GANNAVARAPU  
; APPLICANT: Sebastian HOERSCH  
; APPLICANT: Shubhangi KAMATKAR  
; APPLICANT: Steve G. KOVATS  
; APPLICANT: Rachel E. MEYERS  
; APPLICANT: Michael MORRISEY  
; APPLICANT: Peter OLANDT  
; APPLICANT: Ami SEN  
; APPLICANT: Peter VEIBY  
; APPLICANT: Gordon B. MILLS  
; APPLICANT: Robert C. BAST, Jr.  
; APPLICANT: Karen LU  
; APPLICANT: Rosemarie SCHMANDT  
; APPLICANT: Xumei ZHAO  
; APPLICANT: Karen GLATT  
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,  
; TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer  
; FILE REFERENCE: MRI-030  
; CURRENT APPLICATION NUMBER: US/10/097,340  
; CURRENT FILING DATE: 2002-03-14  
; PRIOR APPLICATION NUMBER: 60/276,025  
; PRIOR FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 60/325,149  
; PRIOR FILING DATE: 2001-09-26  
; PRIOR APPLICATION NUMBER: 60/276,026  
; PRIOR FILING DATE: 2001-03-14  
; PRIOR APPLICATION NUMBER: 60/324,967  
; PRIOR FILING DATE: 2001/09/26  
; PRIOR APPLICATION NUMBER: 60/311,732  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/325,102  
; PRIOR FILING DATE: 2001-09-26  
; PRIOR APPLICATION NUMBER: 60/323,580  
; PRIOR FILING DATE: 2001-09-19  
; NUMBER OF SEQ ID NOS: 363  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 282  
; LENGTH: 176  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-097-340-282

Query Match 100.0%; Score 935; DB 4; Length 176;  
Best Local Similarity 100.0%; Pred. No. 4.1e-86;  
Matches 176; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MSAGGASVPPPNPAVSFPPRVTLPAGPDILRTYSGAFVCLEILFGGLWILVASSNVP	60
Db	1	MSAGGASVPPPNPAVSFPPRVTLPAGPDILRTYSGAFVCLEILFGGLWILVASSNVP	60
Qy	61	LPLLQGWVMFVSVTAFFSLLFLGMFLSGMVAQIDANWNFLDFAYHFTVFVFYFGAFLLE	120
Db	61	LPLLQGWVMFVSVTAFFSLLFLGMFLSGMVAQIDANWNFLDFAYHFTVFVFYFGAFLLE	120
Qy	121	AAATSLHDLHCNTTITGQPLLSDNQYNINVAASIFAFMTTACYGCSLGLALRRWRP	176

||||||||||||||||||||||||||||||||||||||||||  
Db 121 AAATSLHDLHCNTTITGQPLLSDNQYNINVAASIFAFMTTACYGCSLGLALRRWRP 176  
<!--EndFragment-->

<!--StartFragment-->RESULT 1  
AAE03822  
ID AAE03822 standard; protein; 176 AA.  
XX  
AC AAE03822;  
XX  
DT 15-JUN-2007 (revised)  
DT 08-AUG-2001 (first entry)  
XX  
DE Human gene 5 encoded secreted protein HETKL27, SEQ ID NO: 68.  
XX  
KW Human; secreted protein; proliferative disorder; cancer; tumour; asthma;  
KW foetal abnormality; developmental abnormality; haematopoietic disorder;  
KW immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis;  
KW Parkinson's disease; cognitive disorder; schizophrenia; skin disorder;  
KW psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder;  
KW inflammation; neurological disorder; Alzheimer's disease; food additive;  
KW angiogenic disorder; kidney disorder; gastrointestinal disorder; allergy;  
KW pregnancy-related disorder; endocrine disorder; infection; wound healing;  
KW cell culture; chemotaxis; vulnerability; binding partner identification;  
KW gene therapy; BOND\_PC; mal, T-cell differentiation protein 2;  
KW MAL proteolipid protein 2;  
KW mal, T-cell differentiation protein 2 [Homo sapiens]; MAL2;  
KW MAL2 proteolipid protein; MAL2 proteolipid protein [Homo sapiens];  
KW mal, T-cell differentiation protein 2, isoform CRA\_a;  
KW mal, T-cell differentiation protein 2, isoform CRA\_a [Homo sapiens];  
KW Mal, T-cell differentiation protein 2 [Homo sapiens]; MAL2 proteolipid;  
KW MAL2 proteolipid [Homo sapiens]; mal T-cell differentiation protein 2;  
KW mal T-cell differentiation protein 2 [synthetic construct];  
KW mal, T-cell differentiation protein 2 [synthetic construct]; GO5515;  
KW GO16020; GO16021; GO7165; GO7516; GO15267.  
XX  
OS Homo sapiens.  
XX  
FH Key Location/Qualifiers  
FT Peptide 1..56  
FT /label= Signal\_peptide  
FT Protein 57..176  
FT /note= "Mature secreted protein"  
XX  
PN WO200136440-A1.  
XX  
PD 25-MAY-2001.  
XX  
PF 15-NOV-2000; 2000WO-US031282.  
XX  
PR 19-NOV-1999; 99US-0166414P.  
PR 21-JUL-2000; 2000US-0219665P.  
XX  
PA (HUMA-) HUMAN GENOME SCI INC.  
XX  
PI Ruben SM, Komatsoulis GA, Birse CE, Moore PA;  
XX  
DR WPI; 2001-343795/36.  
DR N-PSDB; AAD08287.  
DR PC:NCBI; gi16418397.  
DR PC:SWISSPROT; Q969L2.  
DR PC:BIND; 12736,54403,54404.  
XX  
PT Isolated nucleic acid molecule encoding a human secreted protein is used  
PT in preventing, treating or ameliorating a medical condition.

XX  
 PS Claim 11; Fig 1; 553pp; English.  
 XX  
 CC AAD08283-AAD08355 represent cDNAs corresponding to 23 human secreted protein genes, and AAE03818-AAE03870 represent the proteins they encode.  
 CC AAE03871-AAE03896 represent human secreted protein fragments or variants.  
 CC The secreted proteins and their genes are useful for preventing, treating or ameliorating medical conditions, e.g., by protein or gene therapy.  
 CC Pathological conditions can be diagnosed by determining the amount of the new protein in a sample or by determining the presence of mutations in the new genes. Specific uses are described for each of the 23 genes, based on the tissues in which they are most highly expressed, and include developing products for the diagnosis or treatment of proliferative disorders, cancer, tumours, foetal and developmental abnormalities, haematopoietic disorders, diseases of the immune system, AIDS, autoimmune diseases (e.g., rheumatoid arthritis), inflammation, allergies, neurological disorders (e.g., Alzheimer's disease, Parkinson's disease), cognitive disorders, schizophrenia, asthma, skin disorders (e.g., psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders, angiogenic disorders, kidney disorders, gastrointestinal disorders, pregnancy-related disorders, endocrine disorders, and infections. The proteins can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues, to identify their cognate ligands or binding partners, and in chemotaxis, and can be used as a food additive or preservative to modify storage properties. Antibodies specific for a protein of the invention can be used in alleviating symptoms associated with the disorders mentioned above, and in diagnostic immunoassays e.g., radioimmunoassay or enzyme linked immunosorbent assay (ELISA). The present sequence represents a human secreted protein of the invention  
 CC  
 CC Revised record issued on 15-JUN-2007 : Enhanced with precomputed information from BOND.  
 XX  
 SQ Sequence 176 AA;

Query Match 100.0%; Score 935; DB 4; Length 176;  
 Best Local Similarity 100.0%; Pred. No. 1.8e-96;  
 Matches 176; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSAGGASVPPPNPAVSFPPPRVTLPAGPDILRTYSGAFVCLEILFGGLWILVASSNVP 60  
 |||||||  
 Db 1 MSAGGASVPPPNPAVSFPPPRVTLPAGPDILRTYSGAFVCLEILFGGLWILVASSNVP 60  
 |||||||  
 Qy 61 LP LLQGWVMFVSVTAFFFSLLFLGMFLSGMVAQIDANWNFLDFAYHFTVFVFYFGAFLLE 120  
 |||||||  
 Db 61 LP LLQGWVMFVSVTAFFFSLLFLGMFLSGMVAQIDANWNFLDFAYHFTVFVFYFGAFLLE 120  
 |||||||  
 Qy 121 AAATSLHDLHCNTTITGQPLLSDNQYNINVAASIFAFMTTACYGCSLGLALRRWRP 176  
 |||||||  
 Db 121 AAATSLHDLHCNTTITGQPLLSDNQYNINVAASIFAFMTTACYGCSLGLALRRWRP 176

<!--EndFragment-->